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```
LL      IIIIII  BBBB BBBB  EEEEEEEEE  BBBB BBBB  CCCCCCCC  AAAAAA  SSSSSSSS  CCCCCCCC
LL      IIIIII  BBBB BBBB  EEEEEEEEE  BBBB BBBB  CCCCCCCC  AAAAAA  SSSSSSSS  CCCCCCCC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BBBB BBBB  EEEEEEEEE  BBBB BBBB  CC      CC  AA      AA  SSSSSS  CC      CC
LL      II      BBBB BBBB  EEEEEEEEE  BBBB BBBB  CC      CC  AA      AA  SSSSSS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AAAAAAAAAA  SS      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AAAAAAAAAA  SS      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      CC
LLLLLLLL  IIIIII  BBBB BBBB  EEEEEEEEE  BBBB BBBB  CCCCCCCC  AA      AA  SSSSSSSS  CCCCCCCC
LLLLLLLL  IIIIII  BBBB BBBB  EEEEEEEEE  BBBB BBBB  CCCCCCCC  AA      AA  SSSSSSSS  CCCCCCCC

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLL  IIIIII  SSSSSSSS
```


(2) 49
(3) 67
(4) 97

HISTORY ; Detailed Current Edit History
DECLARATIONS
LIB\$AB_EBC_ASC


```
0000 1 .TITLE LIB$AB_EBC_ASC EBCDIC to ASCII Translation Table
0000 2 .IDENT 71-0067 ; File: LIBEBCASC.MAR EDIT:LB1006
0000 3
0000 4
0000 5 *****
0000 6
0000 7 *
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0000 24 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 FACILITY: GENERAL-PURPOSE UTILITY
0000 30 ++
0000 31 ABSTRACT:
0000 32 This module contains the EBCDIC to ASCII translation table.
0000 33
0000 34
0000 35 --
0000 36
0000 37 VERSION: 1
0000 38
0000 39 HISTORY:
0000 40
0000 41 AUTHOR:
0000 42 Marty Jack, 11-Mar-1979
0000 43
0000 44 MODIFIED BY:
0000 45
0000 46
0000 47
```


LIB\$AB_EBC_ASC
1-006

C 2
EBCDIC to ASCII Translation Table 15-SEP-1984 23:58:46 VAX/VMS Macro V04-00 Page 2
HISTORY ; Detailed Current Edit History 6-SEP-1984 11:05:58 [LIBRTL.SRC]LIBEBCASC.MAR;1 (2)

```
0000 49 .SBTTL HISTORY ; Detailed Current Edit History
0000 50
0000 51
0000 52 : Edit History for Version 1 of LIBEBCASC (alias COBEBCASC)
0000 53 :
0000 54 : 1-001 - Original. MLJ 11-Mar-1979
0000 55 : 1-002 - Changed name to LIB$AB_EBC_ASC to reflect general-
0000 56 : purpose nature of translation table.
0000 57 : This also involved putting it in PSECT _LIB$CODE.
0000 58 : RKR 17-JULY-1979
0000 59 : 1-003 - Added additional comments. RKR 07-AUG-1979
0000 60 : 1-004 - Cosmetic changes. RKR 21-OCT-79
0000 61 : 1-005 - Add comments. RKR 04-DEC-79
0000 62 : 1-006 - Changed position 256 in the translation table to map
0000 63 : to octal 377 (instead of the substitution character)
0000 64 : to ensure that the COBOL language construct of
0000 65 : HIGH VALUES works correctly. LB 11-MAY-81.
```

```
0000 67      .SBTTL DECLARATIONS
0000 68
0000 69 :
0000 70 : INCLUDE FILES:
0000 71 :
0000 72 :
0000 73 :
0000 74 : EXTERNAL SYMBOLS:
0000 75 :     NONE
0000 76 :
0000 77 :
0000 78 :
0000 79 : MACROS:
0000 80 :     NONE
0000 81 :
0000 82 :
0000 83 :
0000 84 : PSECT DECLARATIONS:
0000 85 :     .PSECT _LIB$CODE PIC, USR, CON, REL, LCL, SHR, EXE, RD, NOWRT
0000 86 :
0000 87 :
0000 88 : EQUATED SYMBOLS:
0000 89 :     NONE
0000 90 :
0000 91 :
0000 92 :
0000 93 : OWN STORAGE:
0000 94 :     NONE
0000 95 :
```



```
0000 97 .SBTTL LIB$AB_EBC_ASC
0000 98
0000 99 :++
0000 100 : FUNCTIONAL DESCRIPTION:
0000 101 :
0000 102 : This is the EBCDIC to ASCII translation table based on
0000 103 : ANSI X3.26 - 1970
0000 104 :
0000 105 : All EBCDIC graphics are translated to the identical ASCII
0000 106 : graphic except for:
0000 107 :
0000 108 : EBCDIC graphic          ASCII graphic
0000 109 : -----
0000 110 : cents sign              [ (left square bracket)
0000 111 : short vertical bar      ! (exclamation point)
0000 112 : logical not          ^ (circumflex)
0000 113 : ! (exclamation point) ] (right square bracket)
0000 114 :
0000 115 :
0000 116 : Untranslatable codes map into ^0134 (The ASCII character '\').
0000 117 : Mapping them into ^0032 (The ASCII Substitute char.) would be
0000 118 : more desirable, but could cause trouble with compatibility with
0000 119 : STREAM-ASCII files under RMS-11 which recognizes ^0032 as
0000 120 : a CONTROL-Z signifying an End-of-file.
0000 121 :
0000 122 : --
0000 123
```

```
LIB$AB_EBC_ASC::
0000 125
0000 126 .BYTE ^0000,^0001,^0002,^0003,^0134,^0011,^0134,^0177 ;000-007
0008 127 .BYTE ^0134,^0134,^0134,^0013,^0014,^0015,^0016,^0017 ;010-017
0010 128 .BYTE ^0020,^0021,^0022,^0023,^0134,^0134,^0010,^0134 ;020-027
0018 129 .BYTE ^0030,^0031,^0134,^0134,^0034,^0035,^0036,^0037 ;030-037
0020 130 .BYTE ^0134,^0134,^0134,^0134,^0134,^0012,^0027,^0033 ;040-047
0028 131 .BYTE ^0134,^0134,^0134,^0134,^0134,^0005,^0006,^0007 ;050-057
0030 132 .BYTE ^0134,^0134,^0026,^0134,^0134,^0134,^0134,^0004 ;060-067
0038 133 .BYTE ^0134,^0134,^0134,^0134,^0024,^0025,^0134,^0032 ;070-077
0040 134 .BYTE ^0040,^0134,^0134,^0134,^0134,^0134,^0134,^0134 ;100-107
0048 135 .BYTE ^0134,^0134,^0133,^0056,^0074,^0050,^0053,^0041 ;110-117
0050 136 .BYTE ^0046,^0134,^0134,^0134,^0134,^0134,^0134,^0134 ;120-127
0058 137 .BYTE ^0134,^0134,^0135,^0044,^0052,^0051,^0073,^0136 ;130-137
0060 138 .BYTE ^0055,^0057,^0134,^0134,^0134,^0134,^0134,^0134 ;140-147
0068 139 .BYTE ^0134,^0134,^0174,^0054,^0045,^0137,^0076,^0077 ;150-157
0070 140 .BYTE ^0134,^0134,^0134,^0134,^0134,^0134,^0134,^0134 ;160-167
0078 141 .BYTE ^0134,^0140,^0072,^0043,^0100,^0047,^0075,^0042 ;170-177
0080 142
0080 143 .BYTE ^0134,^0141,^0142,^0143,^0144,^0145,^0146,^0147 ;200-207
0088 144 .BYTE ^0150,^0151,^0134,^0134,^0134,^0134,^0134,^0134 ;210-217
0090 145 .BYTE ^0134,^0152,^0153,^0154,^0155,^0156,^0157,^0160 ;220-227
0098 146 .BYTE ^0161,^0162,^0134,^0134,^0134,^0134,^0134,^0134 ;230-237
00A0 147 .BYTE ^0134,^0176,^0163,^0164,^0165,^0166,^0167,^0170 ;240-247
00A8 148 .BYTE ^0171,^0172,^0134,^0134,^0134,^0134,^0134,^0134 ;250-257
00B0 149 .BYTE ^0134,^0134,^0134,^0134,^0134,^0134,^0134,^0134 ;260-267
00B8 150 .BYTE ^0134,^0134,^0134,^0134,^0134,^0134,^0134,^0134 ;270-277
00C0 151 .BYTE ^0173,^0101,^0102,^0103,^0104,^0105,^0106,^0107 ;300-307
00C8 152 .BYTE ^0110,^0111,^0134,^0134,^0134,^0134,^0134,^0134 ;310-317
00D0 153 .BYTE ^0175,^0112,^0113,^0114,^0115,^0116,^0117,^0120 ;320-327
00D8 154 .BYTE ^0121,^0122,^0134,^0134,^0134,^0134,^0134,^0134 ;330-337
00E0 155 .BYTE ^0134,^0134,^0123,^0124,^0125,^0126,^0127,^0130 ;340-347
00E8 156 .BYTE ^0131,^0132,^0134,^0134,^0134,^0134,^0134,^0134 ;350-357
00F0 157 .BYTE ^0060,^0061,^0062,^0063,^0064,^0065,^0066,^0067 ;360-367
00F8 158 .BYTE ^0070,^0071,^0134,^0134,^0134,^0134,^0134,^0377 ;370-377
0100 159 ;
0100 160 .END
```


LIB\$AB_EBC_ASC
Symbol table

EBCDIC to ASCII Translation Table^{G 2}

15-SEP-1984 23:58:46 VAX/VMS Macro V04-00 Page 6
6-SEP-1984 11:05:58 [LIBRTL.SRC]LIBEBCASC.MAR;1 (5)

LIB\$AB_EBC_ASC 00000000 RG 01

+-----+
! Psect synopsis !
+-----+

| PSECT name | Allocation | PSECT No. | Attributes | | | | | | | | | | | | | | |
|------------|------------------|-----------|------------|-----|-----|-----|-----|-------|-------|------|-------|-------|------|--|--|--|--|
| ABS | 00000000 (0.) | 00 (0.) | NOPIC | USR | CON | ABS | LCL | NOSHR | NOEXE | NORD | NOWRT | NOVEC | BYTE | | | | |
| _LIB\$CODE | 00000100 (256.) | 01 (1.) | PIC | USR | CON | REL | LCL | SHR | EXE | RD | NOWRT | NOVEC | BYTE | | | | |

+-----+
! Performance indicators !
+-----+

| Phase | Page faults | CPU Time | Elapsed Time |
|------------------------|-------------|-------------|--------------|
| Initialization | 29 | 00:00:00.05 | 00:00:02.42 |
| Command processing | 106 | 00:00:00.31 | 00:00:02.09 |
| Pass 1 | 63 | 00:00:00.47 | 00:00:04.59 |
| Symbol table sort | 0 | 00:00:00.00 | 00:00:00.00 |
| Pass 2 | 45 | 00:00:00.22 | 00:00:02.83 |
| Symbol table output | 2 | 00:00:00.01 | 00:00:00.01 |
| Psect synopsis output | 2 | 00:00:00.01 | 00:00:00.01 |
| Cross-reference output | 0 | 00:00:00.00 | 00:00:00.00 |
| Assembler run totals | 249 | 00:00:01.09 | 00:00:11.96 |

The working set limit was 750 pages.
2847 bytes (6 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 1 non-local and 0 local symbols.
160 source lines were read in Pass 1, producing 8 object records in Pass 2.
0 pages of virtual memory were used to define 0 macros.

+-----+
! Macro library statistics !
+-----+

| Macro library name | Macros defined |
|-------------------------------------|----------------|
| _\$255\$DUA28:[SYSLIB]STARLET.MLB;2 | 0 |

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:LIBEBCASC/OBJ=OBJ\$:LIBEBCASC MSRC\$:LIBEBCASC/UPDATE=(ENH\$:LIBEBCASC)

0206 AH-BT13A-SE
VAX/VMS V4.0

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